



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* Application of )  
David MACK ) Group Art Unit: 1634  
Serial No. 09/836,278 ) Examiner: Goldberg, Jeanine Anne  
Filed: April 18, 2001 ) Atty. Docket No. 03848.00065  
For: EXPRESSION MONITORING FOR GENE FUNCTION IDENTIFICATION )

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed February 27, 2003, Applicant requests reconsideration of the patentability of claims 11-17, 29-32, and 34-37. If it is determined that any additional fee is required, please charge our Deposit Account No. 19-0733.

**IN THE SPECIFICATION**

Please substitute the following paragraph of the specification:

At page 46, first paragraph (lines 1-6):

Approximately 65,000 unique DNA probes ( $10^7$  unique probes/50 mm<sup>2</sup> area) were synthesized on a 1.2 cm<sup>2</sup> glass slide. A set of 4 different oligonucleotide arrays that include more than 6,500 human gene sequences derived from the GenBank (<http://www.ncbi.nlm.nih.gov>) and dbEST databases were generated. These arrays were used to monitor and compare the expression of >6,500 genes in parallel from normal and malignant breast tissue cell lines.

O I P E J C 3 4  
MAY 20 2003  
PATENT & TRADEMARK OFFICE

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 110

## Complete if Known

Application Number 09/836,278  
Filing Date April 18, 2001  
First Named Inventor David Mack  
Examiner Name Lisa Bennett Arthur  
Group / Art Unit 4634  
Attorney Docket No. 003848.00065

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number

19-0733

Deposit Account Name

Banner & Witcoff, Ltd.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 0)

### 2. EXTRA CLAIM FEES

Total Claims		**	=	0	X		=	0
Independent Claims		**	=	0	X		=	0
Multiple Dependent					X		=	0

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) Terminal Disclaimer					110

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 110)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Sarah A. Kagan	Registration No. Attorney/Agent	32,141	Telephone	202-824-3100
Signature				Date	May 20, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.